



## HR7742AAA02 Battery



### HR7742AAA02 - 2 Way Radio Batteries

This technical specification is for the product of HR7742AAA02 Li-ion rechargeable battery pack.

#### Cell Type

Cell: Sealed Li-ion prismatic cell 2pcs pack

#### Electrical Test

##### 1. Charging Characteristics

The battery pack should be charged under the following conditions:

--At a constant current of 1590mA to 8.4V, then charge with 8.4V for 3 hours at 25 °C.

The above test is the ambient temperature of 25°C (+,-5°C)

##### 2. Discharge Characteristics

After adopt the above charge procedure as 5.1 the battery pack is stored for 1 hour at the same temperature range, this is to be discharged at various current till the end voltage reaches 5.5V

--At 406mA discharge for 5hrs (0.2C)

--At 609mA discharge for 3.3hrs (0.3C)

--At 2030mA discharge for 54 minutes (1C)

--At 4.06 A discharge for 25 minutes (2C)

##### 3. Capacity Characteristics

The battery pack should be at or more than 90% minimum capacity under the above either charging or discharging procedure.

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#### 4. Charge retention

After stand charging procedure as per 5.1, the battery pack store for 28 days, then discharge the battery pack are 0.2C, the nominal capacity shall not be less than 70%.

- Before using, the battery pack shall be properly charged as 5.1.
- Keep the battery pack in cool and dry place.
- DO NOT throw the battery pack into fire or disassembles them.
- DO NOT short-circuit the battery pack
- DO NOT charge with more than specified current.

*WARNING: This battery pack should be charged by proper specified charger. After long storage, it is desirable to cycle (charge/discharge) the battery 3 times to restore full capacity.*

Specifications	
Nominal Voltage	7.4V per pack
Rated Capacity	
Typical Capacity	2030mAh
Minimum Capacity	2030mAh
Charging	charge with the constant current of 1590mA to 8.4V, then charge with 8.4V for 3 hours at 25 °C.
Discharge End Voltage	5.5V per pack
Maximum Discharge	4.06A Current
Weight	132g
Charge Temperature	10°C to 45°C
Discharge Temp	-20°C to 60°C
Storage Temperature	-20°C to 50°C

Physical Specification	
Length	105.0mm
Width	36.7mm
Height	14.4mm
Maximum Overstep	0.1mm
Housing material	ABS

\*Specifications are subject to change without prior notice.